T0450-27518450

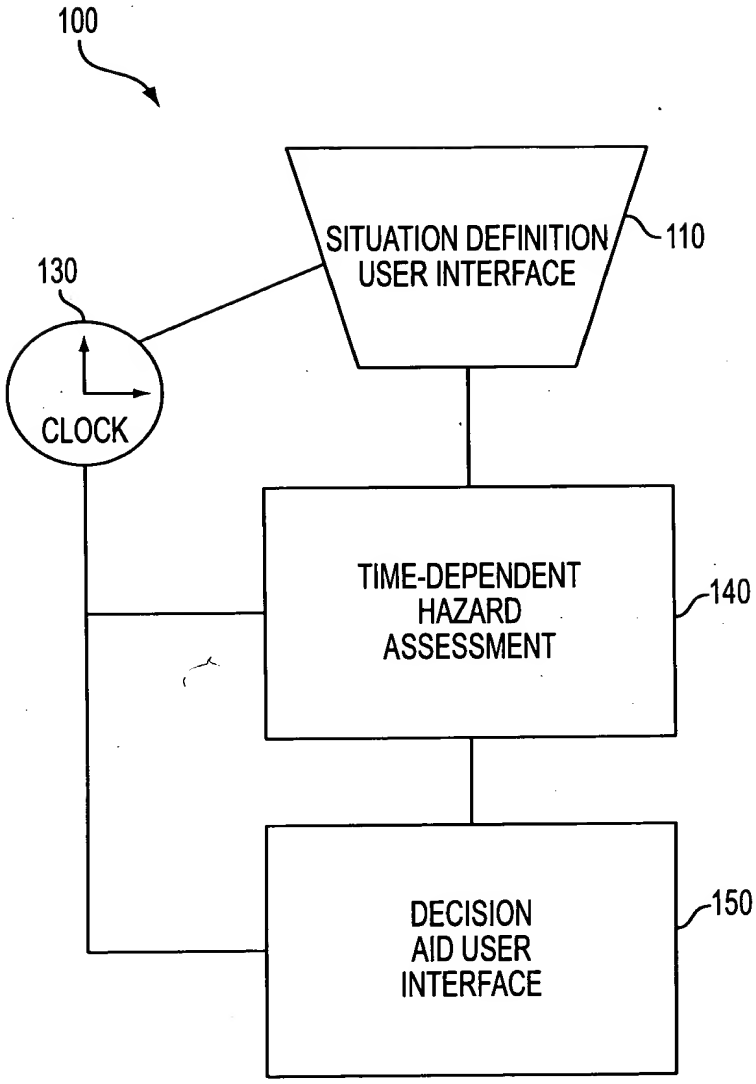

FIG. 1

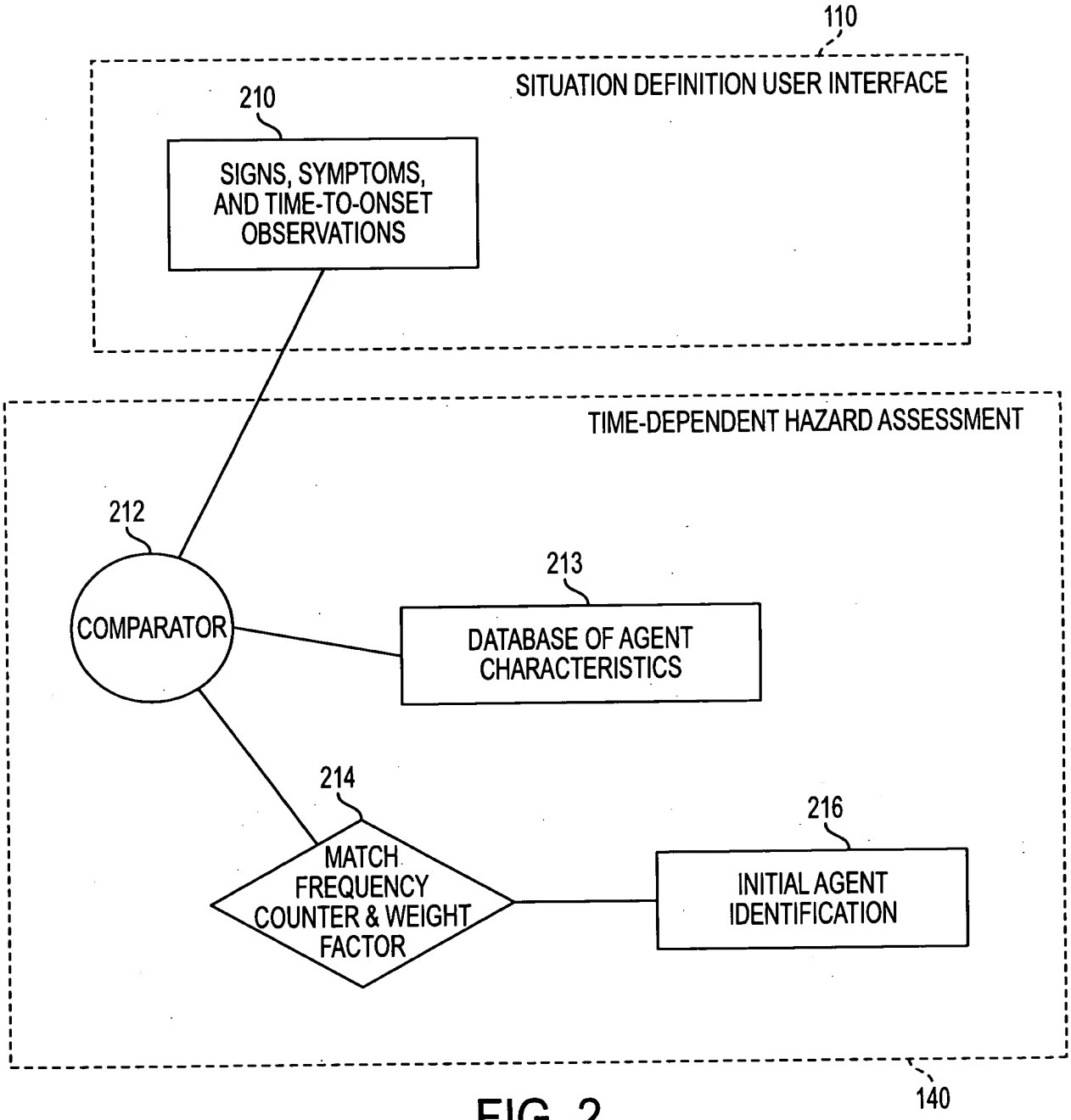
110
SITUATION DEFINITION USER INTERFACE
210
SIGNS, SYMPTOMS, AND TIME-TO-ONSET OBSERVATIONS
TIME-DEPENDENT HAZARD ASSESSMENT
212
COMPARATOR
213
DATABASE OF AGENT CHARACTERISTICS
214
MATCH FREQUENCY COUNTER & WEIGHT FACTOR
216
INITIAL AGENT IDENTIFICATION
140

FIG. 2

TDh090 2TST8760

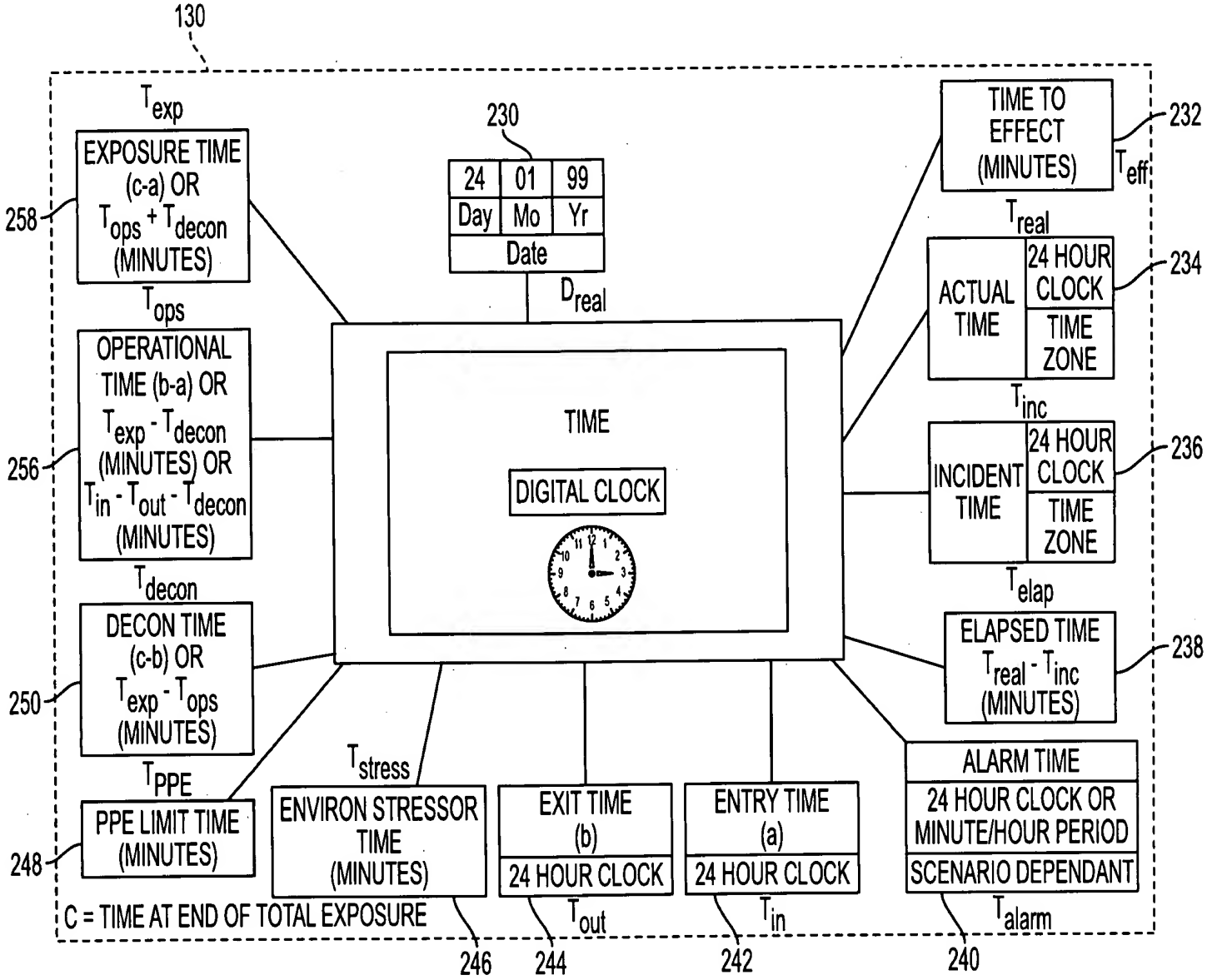

FIG. 3

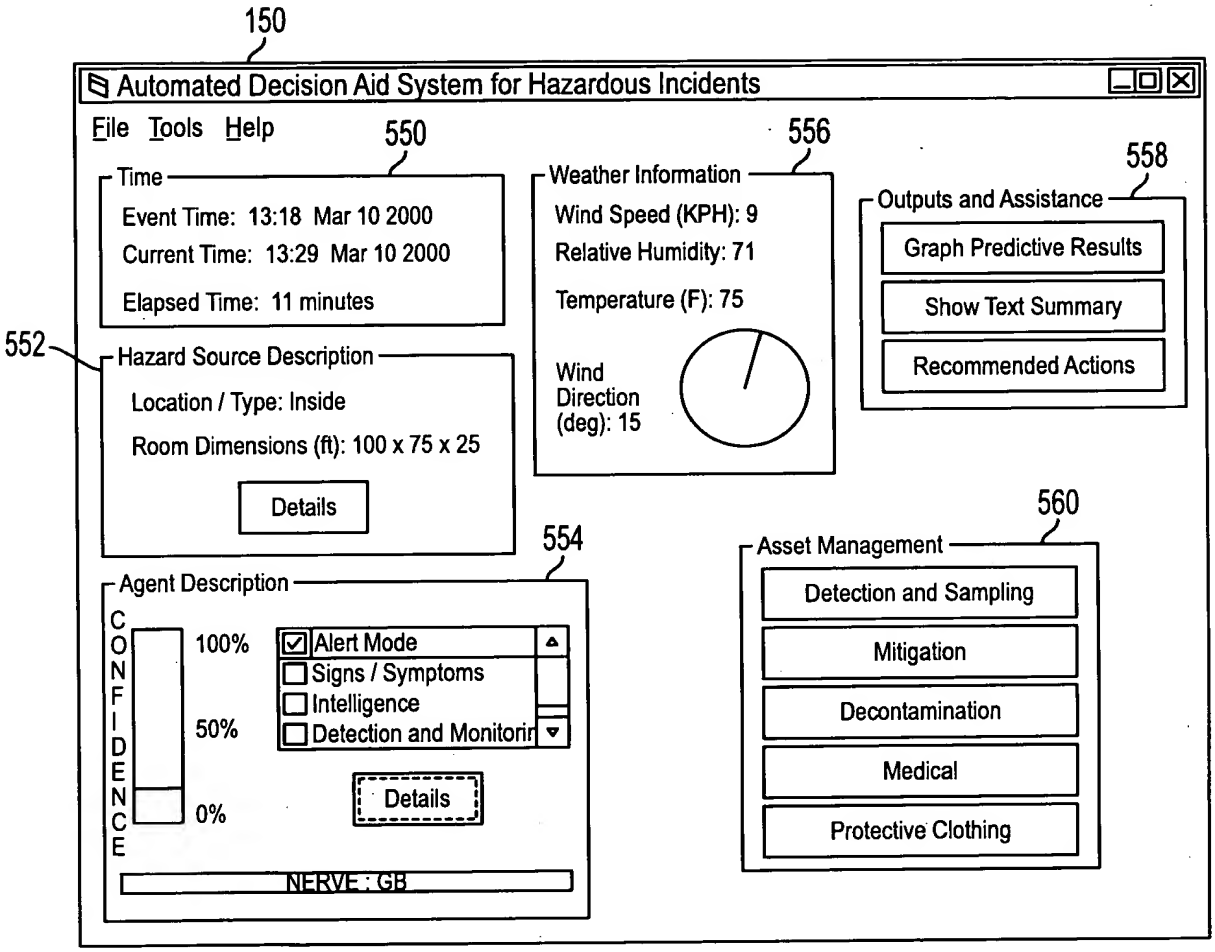
150
Automated Decision Aid System for Hazardous Incidents
File Tools Help
550
Time
Event Time: 13:18 Mar 10 2000
Current Time: 13:29 Mar 10 2000
Elapsed Time: 11 minutes
552
Hazard Source Description
Location / Type: Inside
Room Dimensions (ft): 100 x 75 x 25
Details
556
Weather Information
Wind Speed (KPH): 9
Relative Humidity: 71
Temperature (F): 75
Wind Direction (deg): 15
558
Outputs and Assistance
Graph Predictive Results
Show Text Summary
Recommended Actions
554
Agent Description
CONFIDENCE
100%
50%
0%
Alert Mode
Signs / Symptoms
Intelligence
Detection and Monitorir
Details
NERVE : GB
560
Asset Management
Detection and Sampling
Mitigation
Decontamination
Medical
Protective Clothing

FIG. 4

I0h090'2I5I8260

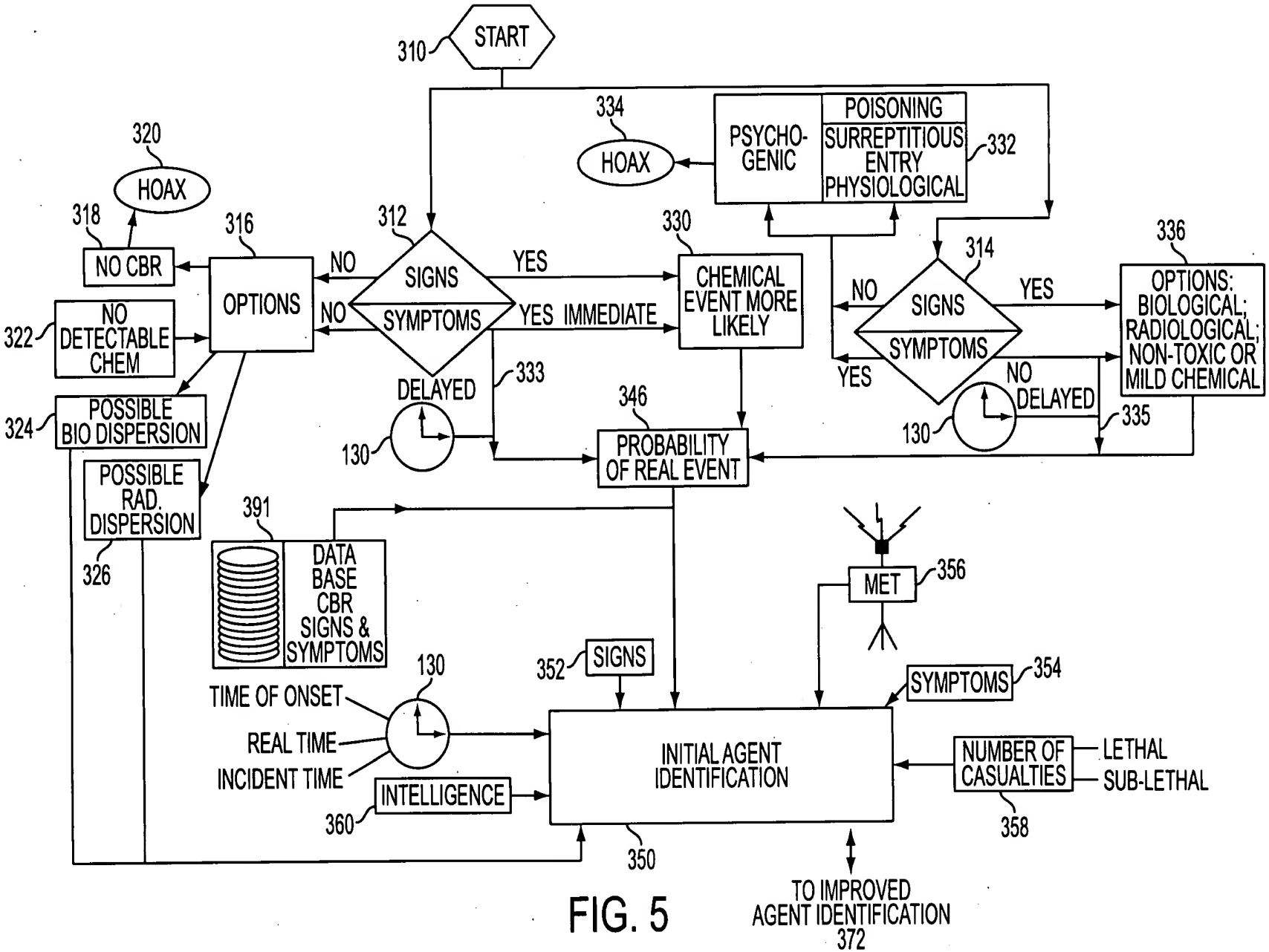

FIG. 5

I0h090" 2ISI8260

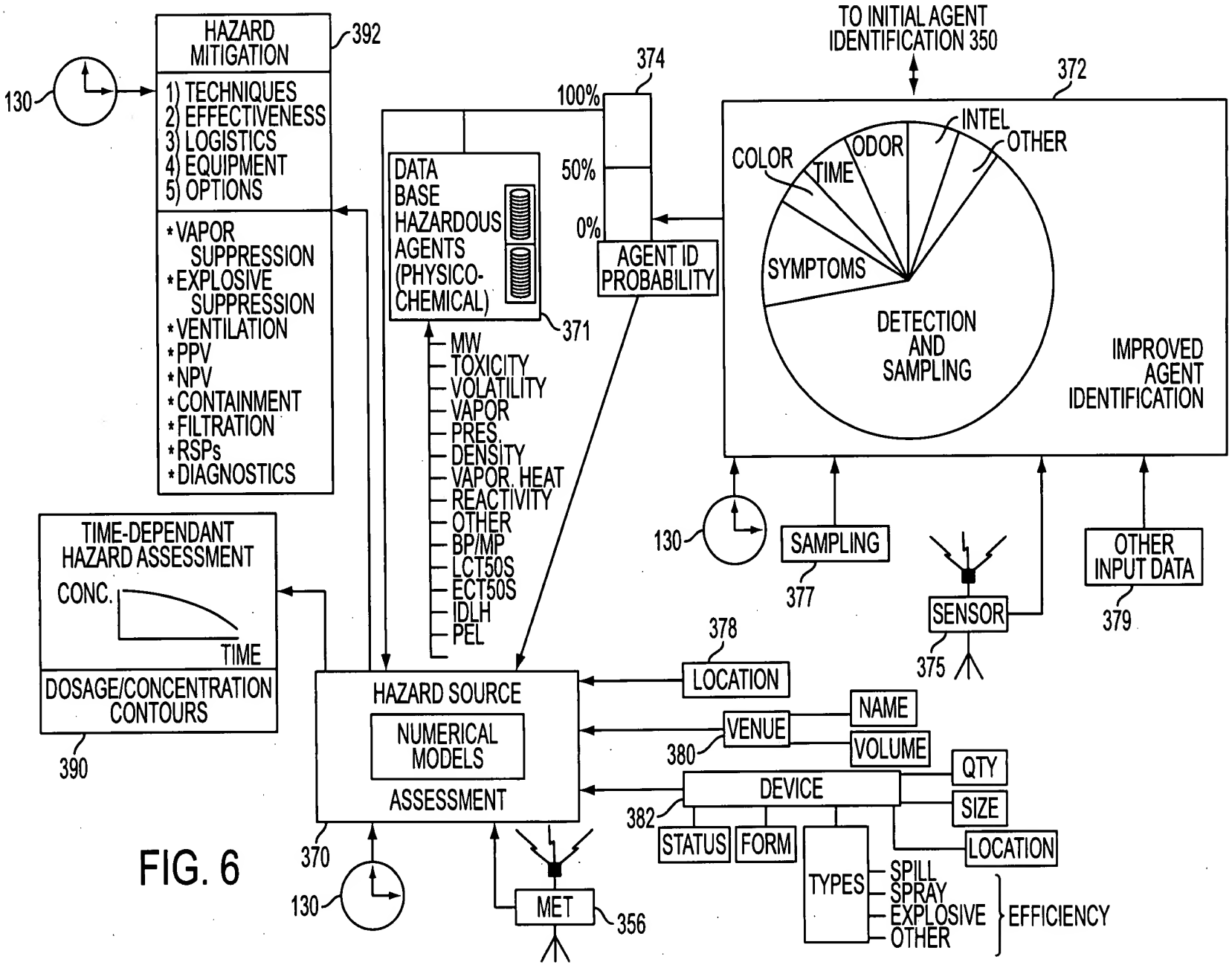

FIG. 6

TOh090" 2TSTB460

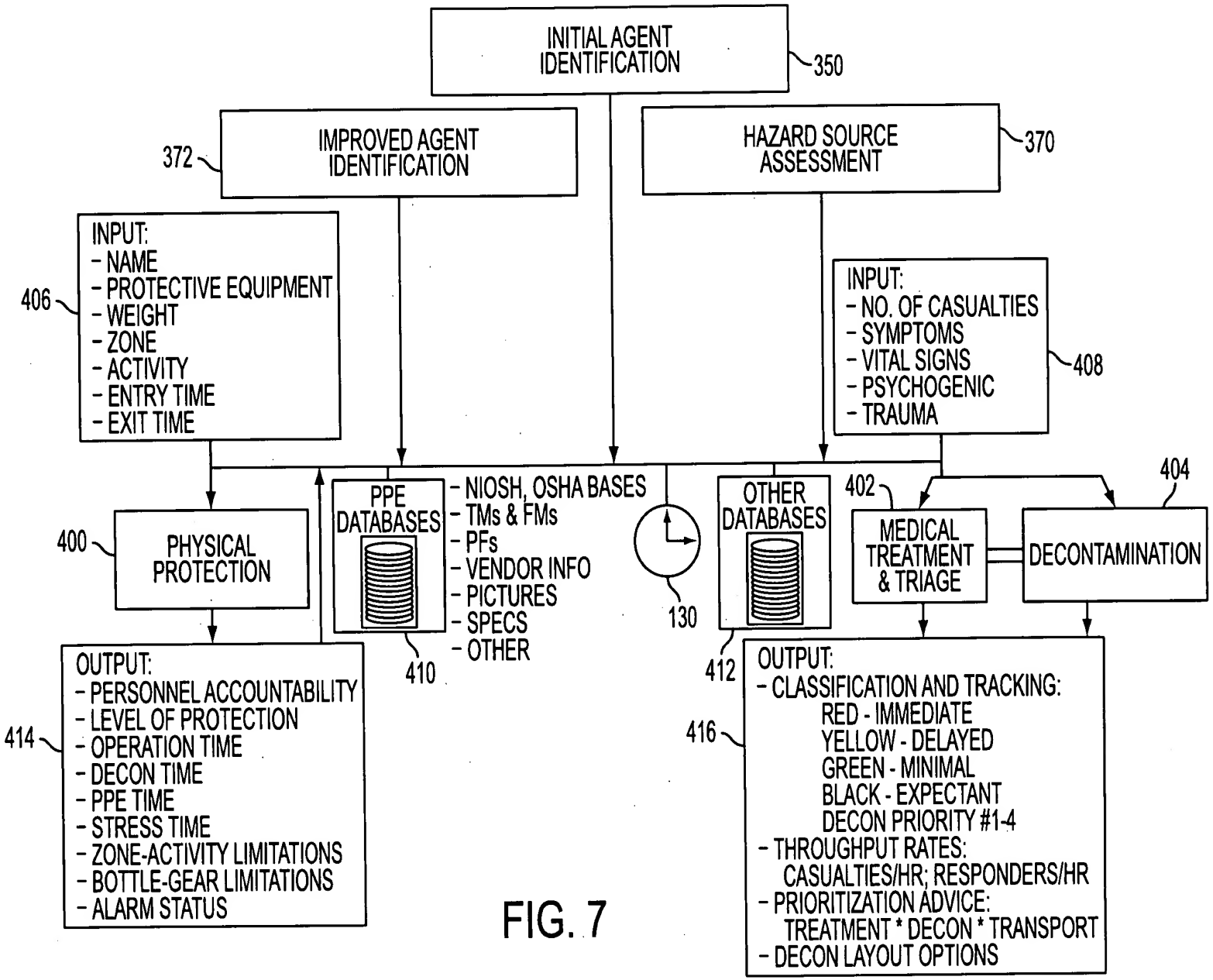

FIG. 7

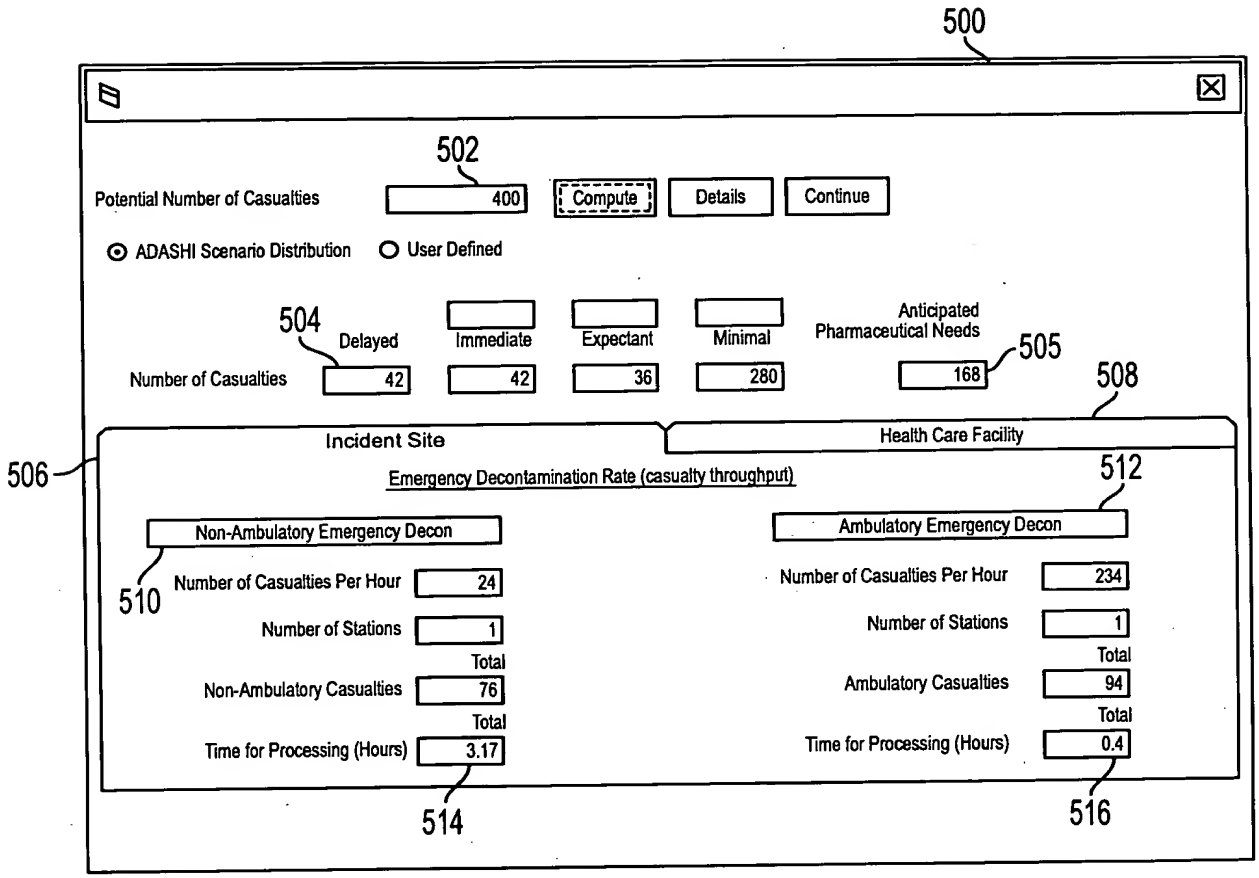
500
502
Potential Number of Casualties
400
Compute
Details
Continue
ADASHI Scenario Distribution
User Defined
504
Delayed
Immediate
Expectant
Minimal
Anticipated Pharmaceutical Needs
505
Number of Casualties
42
42
36
280
168
508
506
Incident Site
Health Care Facility
Emergency Decontamination Rate (casualty throughput)
512
Non-Ambulatory Emergency Decon
Ambulatory Emergency Decon
510
Number of Casualties Per Hour
24
Number of Stations
1
Total
Non-Ambulatory Casualties
76
Total
Time for Processing (Hours)
3.17
514
Number of Casualties Per Hour
234
Number of Stations
1
Total
Ambulatory Casualties
94
Total
Time for Processing (Hours)
0.4
516

FIG. 8

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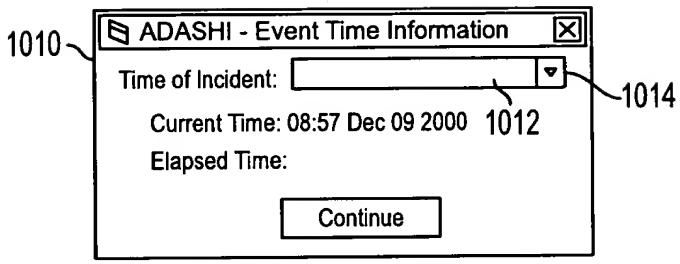

FIG. 9

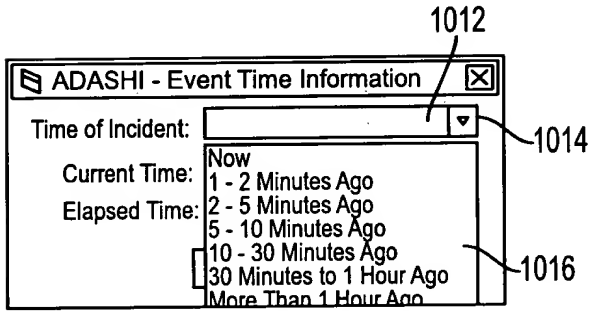

FIG. 10

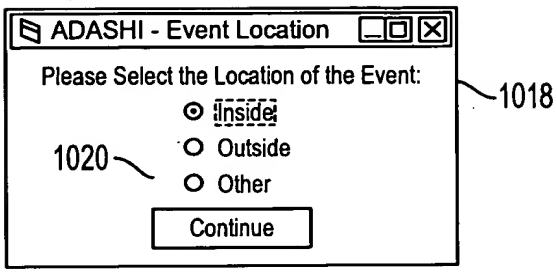
ADASHI - Event Location
Please Select the Location of the Event:
Inside
Outside
Other
Continue
1018
1020

FIG. 11

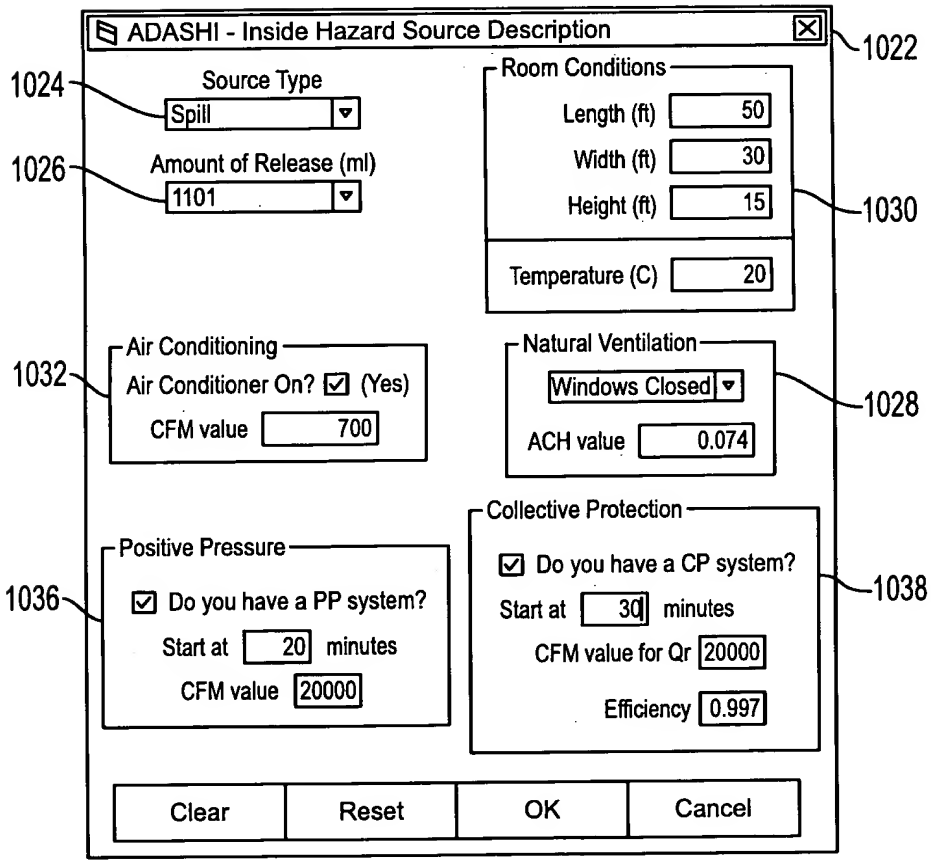
ADASHI - Inside Hazard Source Description
1022
1024
Source Type
Spill
1026
Amount of Release (ml)
1101
Room Conditions
Length (ft) 50
Width (ft) 30
Height (ft) 15
1030
Temperature (C) 20
Air Conditioning
1032
Air Conditioner On? (Yes)
CFM value 700
Natural Ventilation
Windows Closed
ACH value 0.074
1028
Collective Protection
Do you have a CP system?
Start at 30 minutes
CFM value for Qr 20000
Efficiency 0.997
1038
Positive Pressure
1036
Do you have a PP system?
Start at 20 minutes
CFM value 20000
Clear
Reset
OK
Cancel

FIG. 12

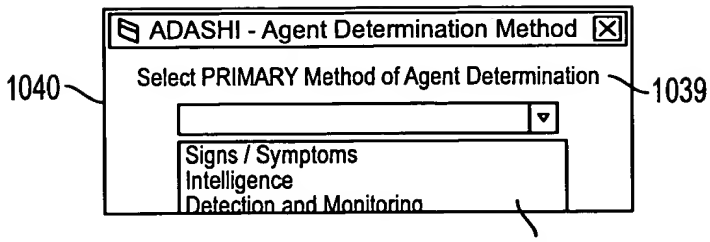
ADASHI - Agent Determination Method
Select PRIMARY Method of Agent Determination
Signs / Symptoms
Intelligence
Detection and Monitoring
1040
1039
1041

FIG. 13

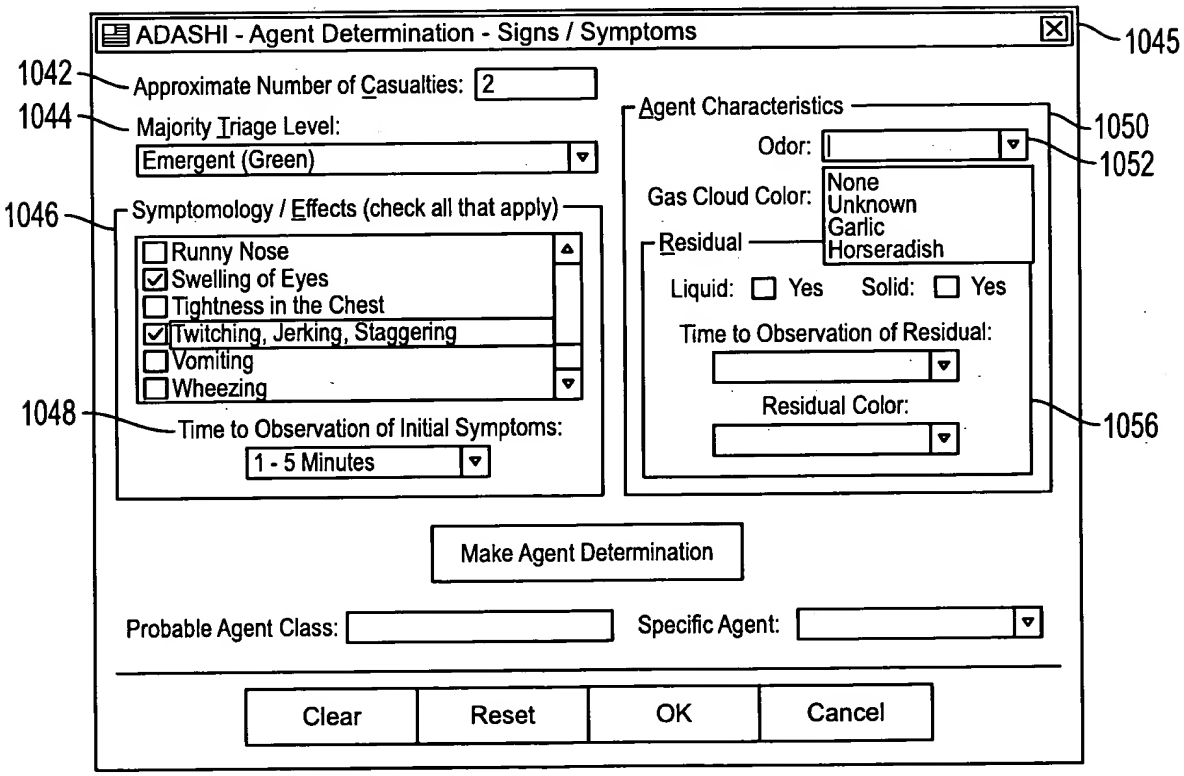
ADASHI - Agent Determination - Signs / Symptoms
1045
1042
Approximate Number of Casualties: 2
1044
Majority Triage Level:
Emergent (Green)
1046
Symptomology / Effects (check all that apply)
Runny Nose
Swelling of Eyes
Tightness in the Chest
Twitching, Jerking, Staggering
Vomiting
Wheezing
1048
Time to Observation of Initial Symptoms:
1 - 5 Minutes
Agent Characteristics
1050
Odor:
1052
Gas Cloud Color:
None
Unknown
Garlic
Horseradish
Residual
Liquid: Yes
Solid: Yes
Time to Observation of Residual:
Residual Color:
1056
Make Agent Determination
Probable Agent Class:
Specific Agent:
Clear
Reset
OK
Cancel

FIG. 14

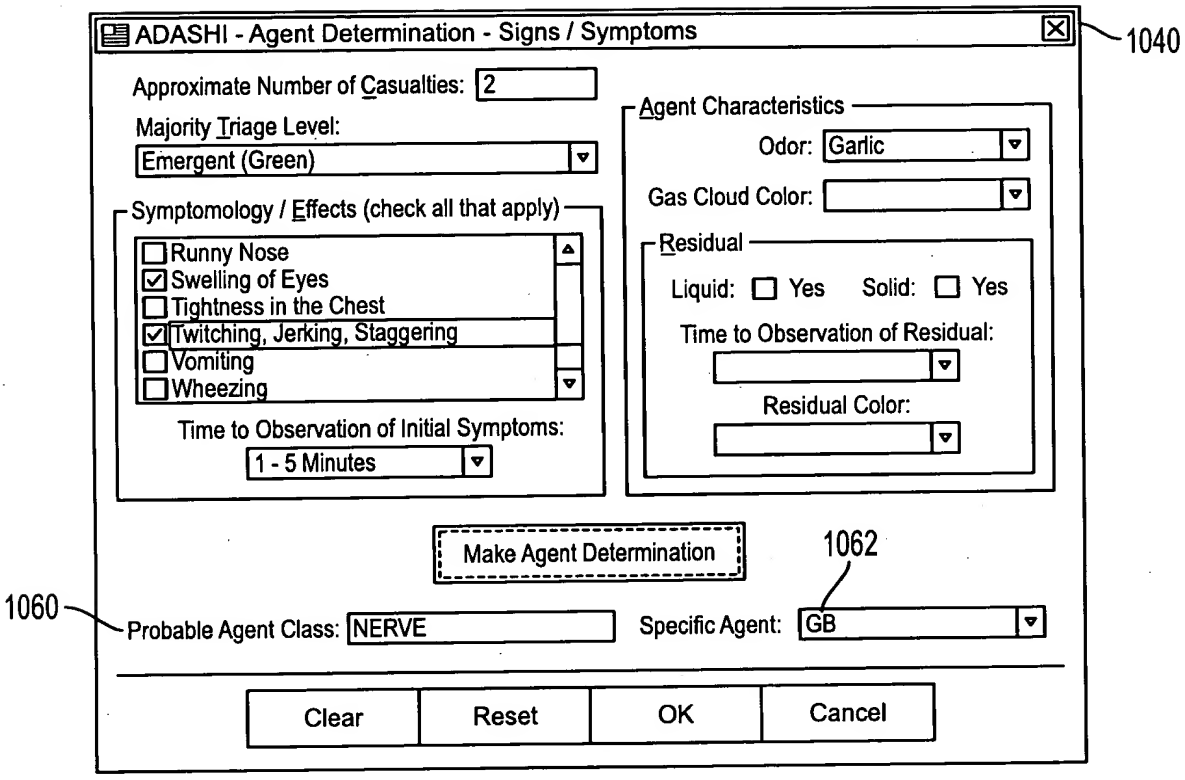
ADASHI - Agent Determination - Signs / Symptoms
1040
Approximate Number of Casualties: 2
Majority Triage Level:
Emergent (Green)
Symptomology / Effects (check all that apply)
Runny Nose
Swelling of Eyes
Tightness in the Chest
Twitching, Jerking, Staggering
Vomiting
Wheezing
Time to Observation of Initial Symptoms:
1 - 5 Minutes
Agent Characteristics
Odor: Garlic
Gas Cloud Color:
Residual
Liquid: Yes
Solid: Yes
Time to Observation of Residual:
Residual Color:
Make Agent Determination
1062
1060
Probable Agent Class: NERVE
Specific Agent: GB
Clear
Reset
OK
Cancel

FIG. 15

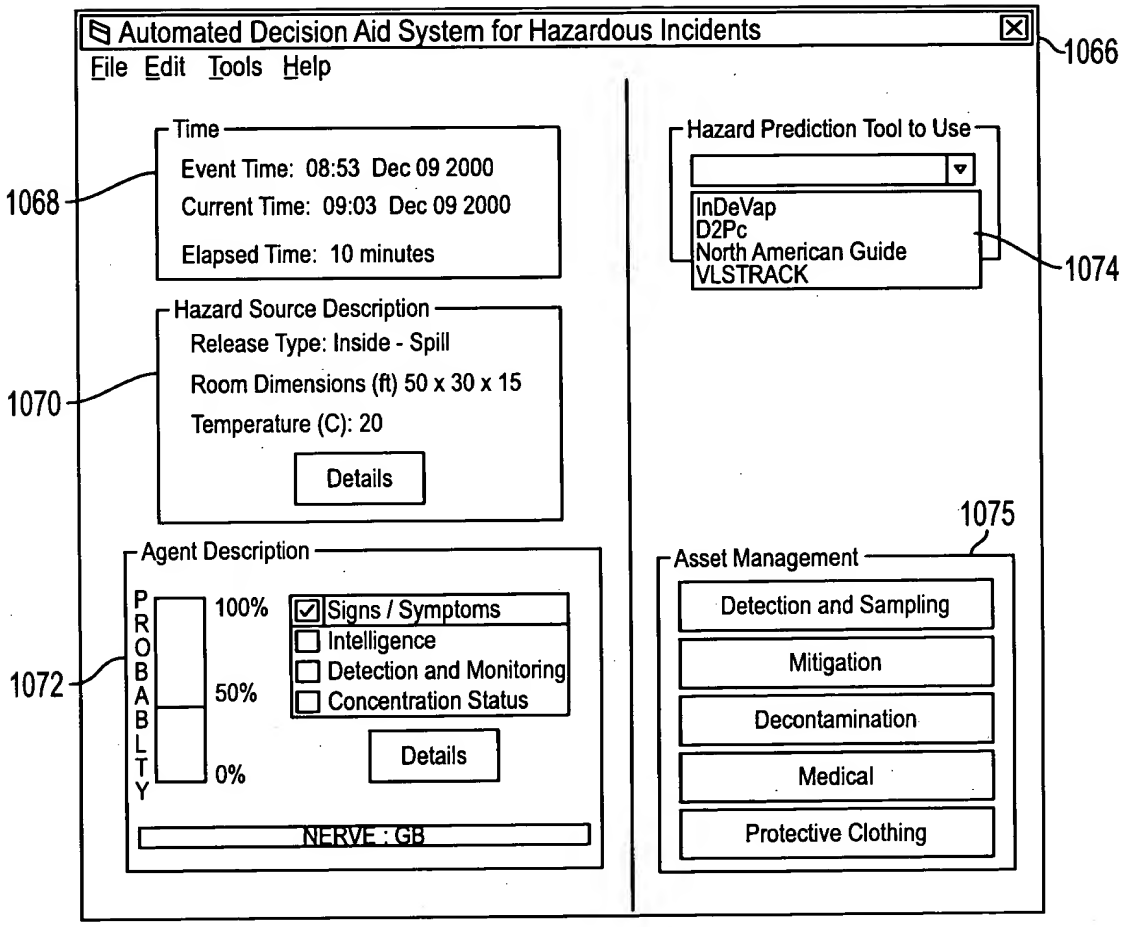
Automated Decision Aid System for Hazardous Incidents
File Edit Tools Help
1066
Time
Event Time: 08:53 Dec 09 2000
Current Time: 09:03 Dec 09 2000
Elapsed Time: 10 minutes
1068
Hazard Source Description
Release Type: Inside - Spill
Room Dimensions (ft) 50 x 30 x 15
Temperature (C): 20
Details
1070
Agent Description
PROBABILITY
100%
50%
0%
Signs / Symptoms
Intelligence
Detection and Monitoring
Concentration Status
Details
1072
NERVE : GB
Hazard Prediction Tool to Use
InDeVap
D2Pc
North American Guide
VLSTRACK
1074
1075
Asset Management
Detection and Sampling
Mitigation
Decontamination
Medical
Protective Clothing

FIG. 16

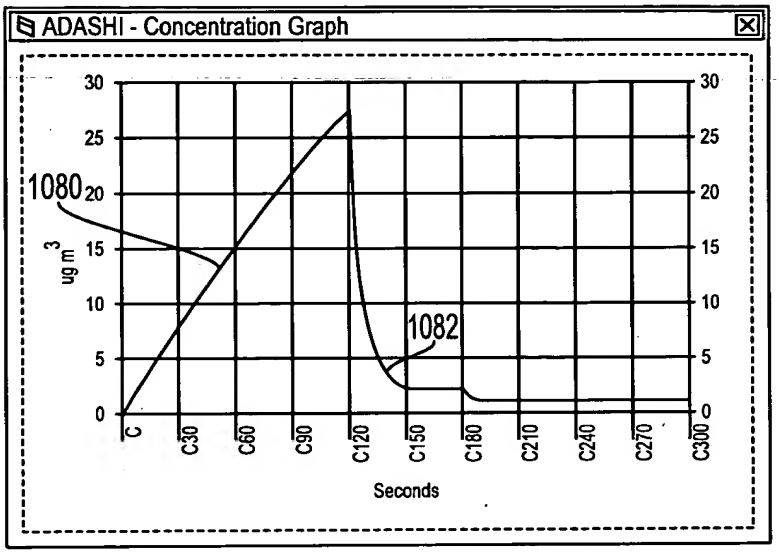
ADASHI - Concentration Graph
30
25
20
15
10
5
0
1080
ug m 3
1082
C
C30
C60
C90
C120
C150
C180
C210
C240
C270
C300
Seconds

FIG. 17

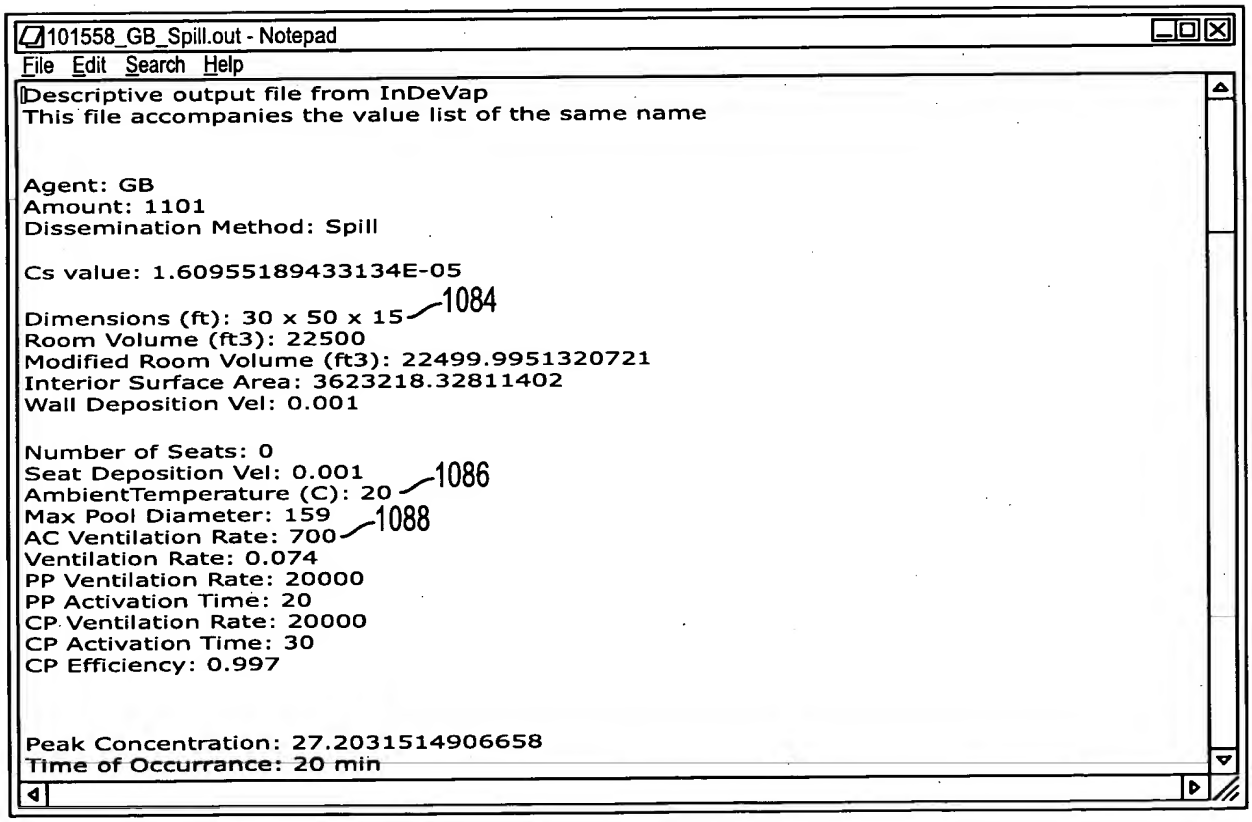
101558_GB_Spill.out - Notepad
File Edit Search Help
Descriptive output file from InDeVap
This file accompanies the value list of the same name
Agent: GB
Amount: 1101
Dissemination Method: Spill
Cs value: 1.60955189433134E-05
Dimensions (ft): 30 x 50 x 15
1084
Room Volume (ft3): 22500
Modified Room Volume (ft3): 22499.9951320721
Interior Surface Area: 3623218.32811402
Wall Deposition Vel: 0.001
Number of Seats: 0
Seat Deposition Vel: 0.001
AmbientTemperature (C): 20
1086
Max Pool Diameter: 159
AC Ventilation Rate: 700
1088
Ventilation Rate: 0.074
PP Ventilation Rate: 20000
PP Activation Time: 20
CP Ventilation Rate: 20000
CP Activation Time: 30
CP Efficiency: 0.997
Peak Concentration: 27.2031514906658
Time of Occurrance: 20 min

FIG. 18

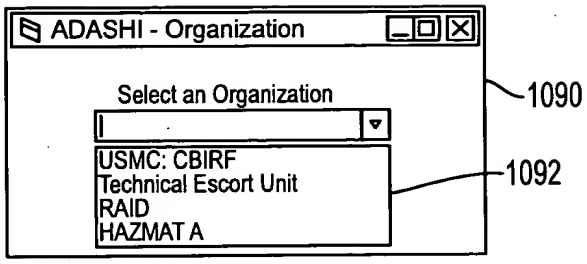
ADASHI - Organization
Select an Organization
USMC: CBIRF
Technical Escort Unit
RAID
HAZMAT A
1090
1092

FIG. 19

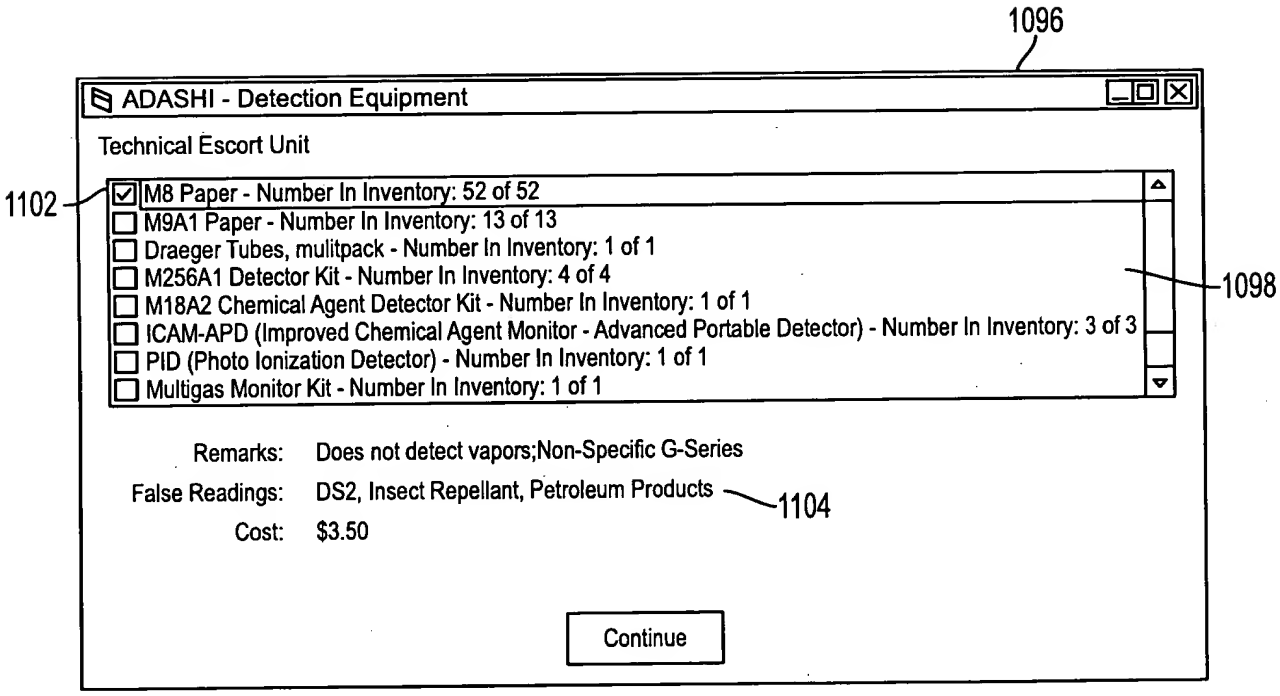
1096
ADASHI - Detection Equipment
Technical Escort Unit
1102
M8 Paper - Number In Inventory: 52 of 52
M9A1 Paper - Number In Inventory: 13 of 13
Draeger Tubes, mulitpack - Number In Inventory: 1 of 1
M256A1 Detector Kit - Number In Inventory: 4 of 4
M18A2 Chemical Agent Detector Kit - Number In Inventory: 1 of 1
ICAM-APD (Improved Chemical Agent Monitor - Advanced Portable Detector) - Number In Inventory: 3 of 3
PID (Photo Ionization Detector) - Number In Inventory: 1 of 1
Multigas Monitor Kit - Number In Inventory: 1 of 1
1098
Remarks: Does not detect vapors;Non-Specific G-Series
False Readings: DS2, Insect Repellant, Petroleum Products
1104
Cost: $3.50
Continue

FIG. 20